

## **Practical Applications**

#### **Awais Rashid**

Professor of Cyber Security, University of Bristol

contact@cybok.org www.cybok.org



Codify *foundational* and generally recognised knowledge in cyber security following broad community engagement nationally and internationally

A *guide* to the body of knowledge

Focus is on *established foundation* of the subject (not on everything that has ever been written or on still-emerging, nascent, topics)

**CyBOK 1.1** Risk Management & Governance **SYSTEMS SECURITY** Operating Systems & Virtualisation Security Fodos Cryptography Authentication, Authorisation & Forensics Accountability Formal Methods Distributed Systems Security for Security SOFTWARE & PLATFORM SECURITY INFRASTRUCTURE Security Hardware Security Web & Mobile Network Security Security Applied Cryptography Software Security Cyber Physical Systems Secure Software Physical Layer and Lifecycle **Telecommunications** Security low & Regulation

**ATTACKS** 

&DEFENCES

HUMAN,

ORGANISATIONAL&

REGULATORY ASPECTS

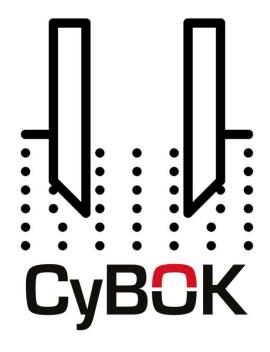


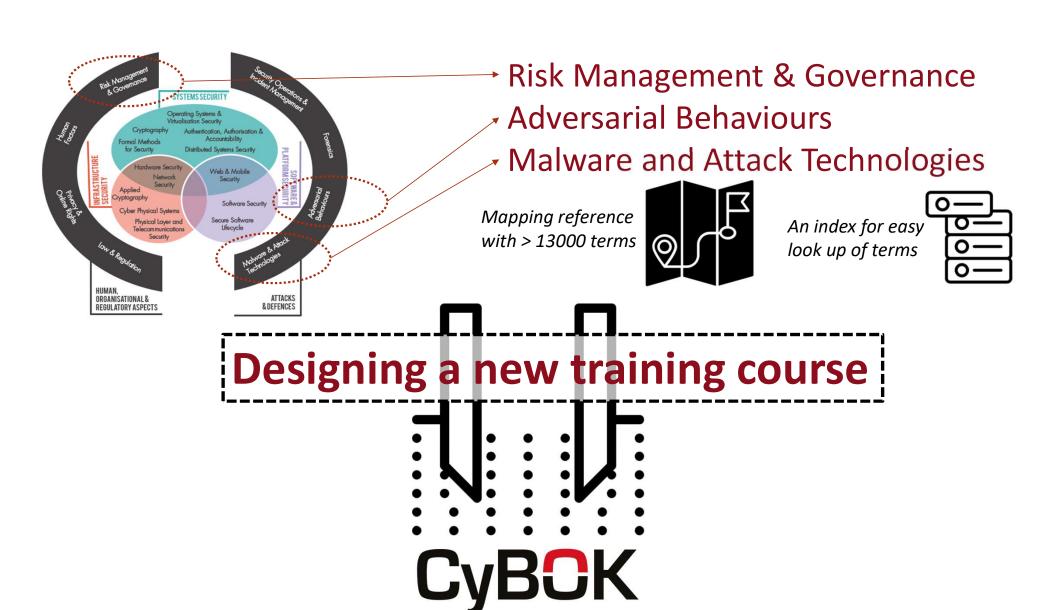
#### **CyBOK**

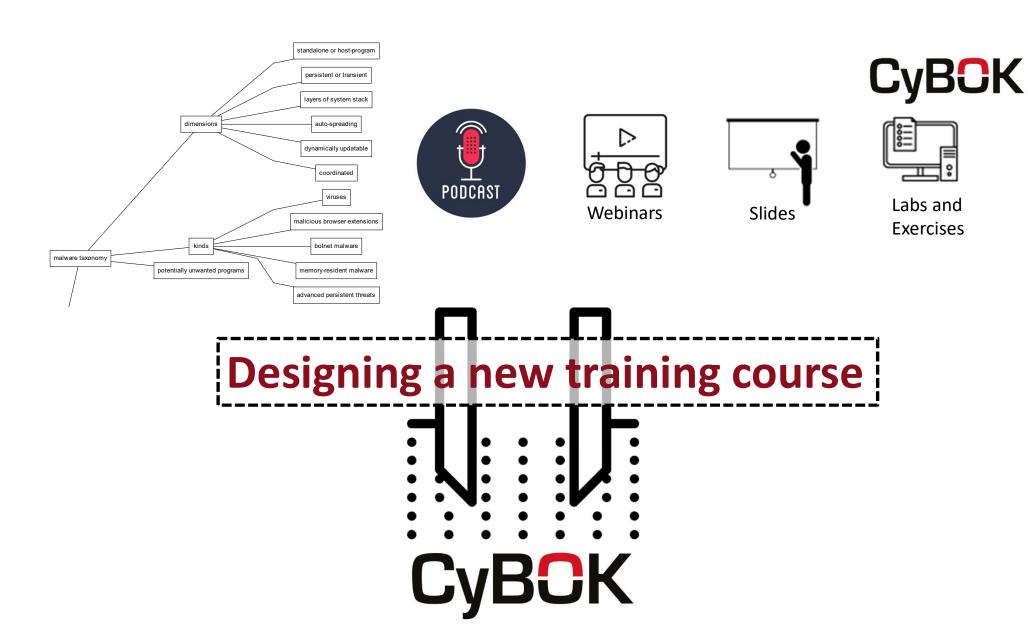
- >115 Experts: Authors, Reviewers, Advisors
- >1000 Pages
- >2200 Authoritative sources
- >1600 Comments from wider community
- >30 Invited talks, panels and keynotes

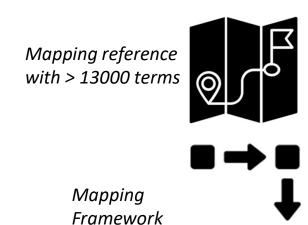
### **CyBOK**

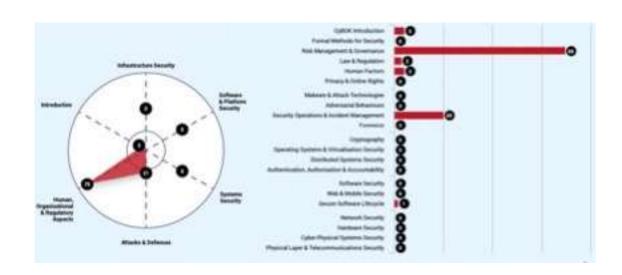
#### How to build on the Foundation?



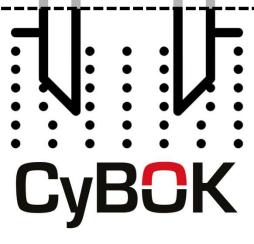


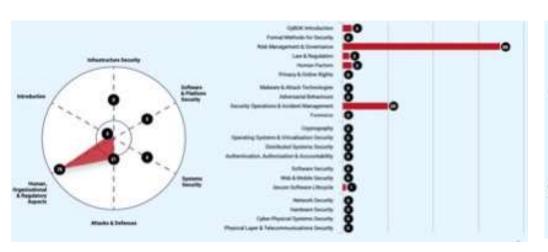


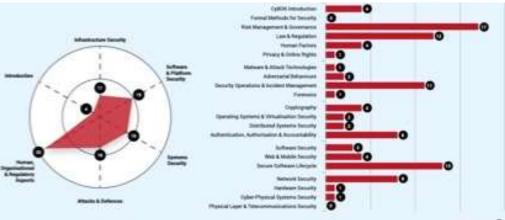


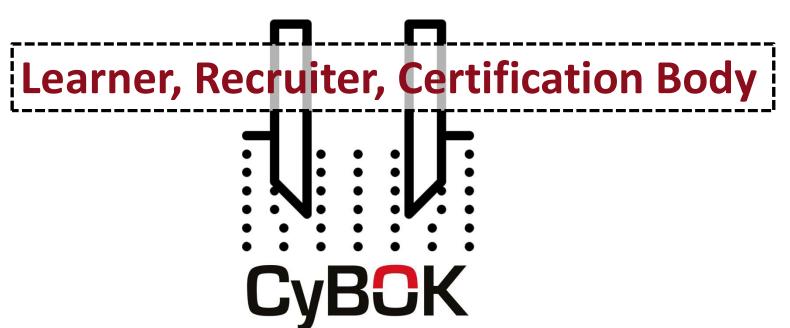


# Showing a course meets training needs

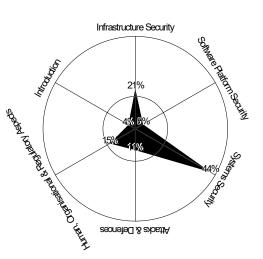


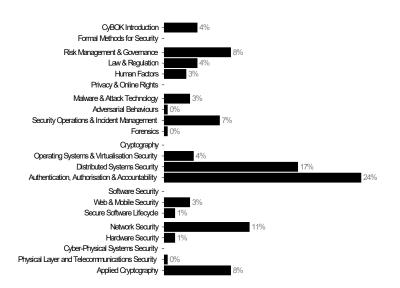






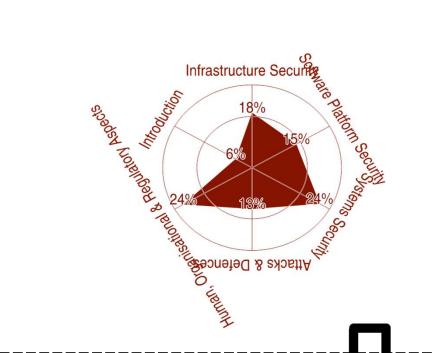
NCSC Cyber Advisor (Cyber Essentials)

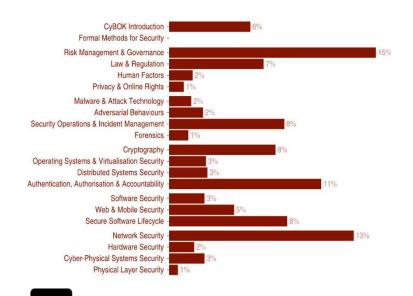




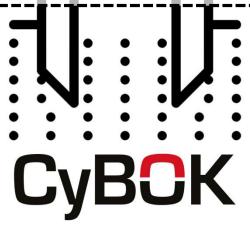
# What knowledge to assess for particular roles?







# **Profiling Organisational Knowledge Capability**



#### cybok.org





	2022 to 30 September	2021
Total website hits	~2.3M	~4.9M
Monthly average hits	~296K	~408K
Daily average hits	~7.3K	~13.3K
Total downloads	>272K	>707K
Downloads of CyBOK v1.0	>71K	>390K
Downloads of CyBOK v1.1	>60K	>20K (from 2 August 2021)



#### **Keeping the Foundation Strong**

